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Proposed Maximum Residue Limit PMRL2016-73

# Flumethrin

*(publié aussi en français)*

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Under the authority of the *Pest Control Products Act*, Health Canada's Pest Management Regulatory Agency (PMRA) has received applications to register technical grade flumethrin and the end-use product Bayvarol® Beehive Pest Control Strip for use in Canada in honey beehives.

The evaluation of the flumethrin application indicated that the end-use product has value, and the human health and environmental risks associated with the proposed use is acceptable. Details regarding these applications can be found in Proposed Registration Decision PRD2016-29, Flumethrin, posted to the Health Canada website on 30 September 2016.

Before registering a pesticide for food use in Canada, the PMRA must determine the quantity of residues that are likely to remain in or on the food when the pesticide is used according to label directions and that such residues will not be a concern to human health. This quantity is then legally specified as a maximum residue limit (MRL). An MRL applies to the identified raw agricultural food commodity as well as to any processed food product that contains it, except where separate MRLs are specified for the raw agricultural commodity and a processed product made from it.

Consultation on the proposed MRL for flumethrin was conducted via PRD2016-29. Information regarding the proposed MRL can be found in Section 3.5.3 and 7.1. Supporting field trial residue data are provided in Appendix I, Table 5.

To comply with Canada's international trade obligations, consultation on the proposed MRL is also being conducted internationally by notifying the World Trade Organization, as coordinated by Canada's Notification Authority and Enquiry Point.

The proposed MRL for flumethrin is as follows.

**Table 1 Proposed Maximum Residue Limit for Flumethrin**

| Common Name | Residue Definition | MRL (ppm)[1] | Food Commodity |
|---|---|---|---|
| Flumethrin | Cyano(4-fluoro-3-phenoxyphenyl)methyl 3-[2-chloro-2-(4-chlorophenyl)ethenyl]-2,2-dimethylcyclopropanecarboxylate | 0.003[2] | Honey |

[1] ppm = parts per million
[2] Based on a LOQ of 0.003 ppm

MRLs established in Canada may be found using the Maximum Residue Limit Database on the Maximum Residue Limits for Pesticides webpage. The database allows users to search for established MRLs, regulated under the *Pest Control Products Act*, both for pesticides or for food commodities.

**International Situation and Trade Implications**

Currently, there are no American tolerances or Codex MRLs[1] listed for flumethrin in or on honey on the Electronic Code of Federal Regulations, 40 CFR Part 180, website, or Codex Alimentarius Pesticide Residues in Food and Feed website.

**Next Steps**

The PMRA invites the public to submit written comments on the proposed MRL for flumethrin up to 75 days from the date of publication of this document. Please forward your comments to Publications (see the contact information on the cover page of this document). The PMRA will consider all comments received before making a final decision on the proposed MRL. Comments received will be addressed in a separate document linked to this PMRL. The established MRL will be legally in effect as of the date that it is entered into the Maximum Residue Limit Database.

[1] The Codex Alimentarius Commission is an international organization under the auspices of the United Nations that develops international food standards, including MRLs.